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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/520,770	01/10/2005	Tsutomu Kume	450100-05075	5103
7590	10/29/2008		EXAMINER	
William S Frommer Frommer Lawrence & Haug 745 Fifth Avenue New York, NY 10151			NGUYEN, LUONG TRUNG	
			ART UNIT	PAPER NUMBER
			2622	
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			10/29/2008	PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/520,770	<b>Applicant(s)</b> KUME ET AL.
	<b>Examiner</b> LUONG T. NGUYEN	<b>Art Unit</b> 2622

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If no period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on \_\_\_\_.
- 2a) This action is FINAL.      2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-8 is/are pending in the application.
  - 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_ is/are allowed.
- 6) Claim(s) 1-8 is/are rejected.
- 7) Claim(s) \_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 10 January 2005 is/are: a) accepted or b) objected to by the Examiner.
 

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) All    b) Some \* c) None of:
    1. Certified copies of the priority documents have been received.
    2. Certified copies of the priority documents have been received in Application No. \_\_\_\_.
    3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO/SB/08)
 

Paper No(s)/Mail Date 01/05/10/05
- 4) Interview Summary (PTO-413)
 

Paper No(s)/Mail Date. \_\_\_\_.
- 5) Notice of Informal Patent Application
- 6) Other: \_\_\_\_

**DETAILED ACTION**

***Priority***

1. Acknowledgment is made of applicant's claim for foreign priority based on an application filed in Japan on 05/12/2003. It is noted, however, that applicant has not filed a certified copy of the Japan application as required by 35 U.S.C. 119(b).

***Specification***

**Content of Specification**

- (a) Title of the Invention: See 37 CFR 1.72(a) and MPEP § 606. The title of the invention should be placed at the top of the first page of the specification unless the title is provided in an application data sheet. The title of the invention should be brief but technically accurate and descriptive, preferably from two to seven words may not contain more than 500 characters.
- (b) Cross-References to Related Applications: See 37 CFR 1.78 and MPEP § 201.11.
- (c) Statement Regarding Federally Sponsored Research and Development: See MPEP § 310.
- (d) The Names Of The Parties To A Joint Research Agreement: See 37 CFR 1.71(g).
- (e) Incorporation-By-Reference Of Material Submitted On a Compact Disc: The specification is required to include an incorporation-by-reference of electronic documents that are to become part of the permanent United States Patent and Trademark Office records in the file of a patent application. See 37 CFR 1.52(e) and MPEP § 608.05. Computer program listings (37 CFR 1.96(c)), "Sequence Listings" (37 CFR 1.821(c)), and tables having more than 50 pages of text were permitted as electronic documents on compact discs beginning on September 8, 2000.
- (f) Background of the Invention: See MPEP § 608.01(c). The specification should set forth the Background of the Invention in two parts:

- (1) **Field of the Invention:** A statement of the field of art to which the invention pertains. This statement may include a paraphrasing of the applicable U.S. patent classification definitions of the subject matter of the claimed invention. This item may also be titled "Technical Field."
- (2) **Description of the Related Art including information disclosed under 37 CFR 1.97 and 37 CFR 1.98:** A description of the related art known to the applicant and including, if applicable, references to specific related art and problems involved in the prior art which are solved by the applicant's invention. This item may also be titled "Background Art."

(g) **Brief Summary of the Invention:** See MPEP § 608.01(d). A brief summary or general statement of the invention as set forth in 37 CFR 1.73. The summary is separate and distinct from the abstract and is directed toward the invention rather than the disclosure as a whole. The summary may point out the advantages of the invention or how it solves problems previously existent in the prior art (and preferably indicated in the Background of the Invention). In chemical cases it should point out in general terms the utility of the invention. If possible, the nature and gist of the invention or the inventive concept should be set forth. Objects of the invention should be treated briefly and only to the extent that they contribute to an understanding of the invention.

(h) **Brief Description of the Several Views of the Drawing(s):** See MPEP § 608.01(f). A reference to and brief description of the drawing(s) as set forth in 37 CFR 1.74.

- (i) **Detailed Description of the Invention:** See MPEP § 608.01(g). A description of the preferred embodiment(s) of the invention as required in 37 CFR 1.71. The description should be as short and specific as is necessary to describe the invention adequately and accurately. Where elements or groups of elements, compounds, and processes, which are conventional and generally widely known in the field of the invention described and their exact nature or type is not necessary for an understanding and use of the invention by a person skilled in the art, they should not be described in detail. However, where particularly complicated subject matter is involved or where the elements, compounds, or processes may not be commonly or widely known in the field, the specification should refer to another patent or readily available publication which adequately describes the subject matter.
- (j) **Claim or Claims:** See 37 CFR 1.75 and MPEP § 608.01(m). The claim or claims must commence on separate sheet or electronic page (37 CFR 1.52(b)(3)). Where a claim sets forth a plurality of elements or steps, each element or step of the claim should be separated by a line indentation. There may be plural indentations to further segregate subcombinations or related steps. See 37 CFR 1.75 and MPEP § 608.01(i)-(p).

- (k) Abstract of the Disclosure: See MPEP § 608.01(f). A brief narrative of the disclosure as a whole in a single paragraph of 150 words or less commencing on a separate sheet following the claims. In an international application which has entered the national stage (37 CFR 1.491(b)), the applicant need not submit an abstract commencing on a separate sheet if an abstract was published with the international application under PCT Article 21. The abstract that appears on the cover page of the pamphlet published by the International Bureau (IB) of the World Intellectual Property Organization (WIPO) is the abstract that will be used by the USPTO. See MPEP § 1893.03(e).
- (l) Sequence Listing. See 37 CFR 1.821-1.825 and MPEP §§ 2421-2431. The requirement for a sequence listing applies to all sequences disclosed in a given application, whether the sequences are claimed or not. See MPEP § 2421.02.

2. The disclosure is objected to because of the following informalities:

In the specification, page 1 to page 5, under section “Background Art,” the specification disclose the description of Figures 7A-10. According to MPEP § 608.01(c), the section “Background Art” is the “Description of the Related Art including information disclosed under 37 CFR 1.97 and 37 CFR 1.98: A description of the related art known to the applicant and including, if applicable, references to specific related art and problems involved in the prior art which are solved by the applicant's invention.” This indicates that Figures 7A-10 are the Related Art (Prior Art).

However, Specification, page 7, the “Brief Description of the Drawing” discloses that Figures 7A-10 illustrate the present invention. This causes confusion. Are the Figures 7A-10 Prior Art or Present Invention?

Appropriate correction is required.

***Claim Objections***

3. Claims 1-8 are objected to because of the following informalities:

Claim 1 (line 14), claim 4 (line 15), claim 7 (line 17), “both image data” should be changed to --both the first and second image data--.

Claims 2-3 are objected as being dependent on claim 1.

Claims 5-6 are objected as being dependent on claim 4.

Claim 8 is objected as being dependent on claim 7.

Appropriate correction is required.

***Claim Rejections - 35 USC § 112***

4. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

5. Claims 1-8 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 1 (line 2) recites limitation “**image data in a second format**,” and claim 1 (lines 8-9) recites limitation “**image data** of an odd field and even field **in the second format**.” It is not known that limitation “image data” on line 2 and lines 8-9 are the same or different.

Claim 1 (line 19) recites limitation “**a predetermined mixing ratio**,” and claim 1 (line 23) recites limitation “**a predetermined mixing ratio**.” It is not known that limitation “predetermined mixing ratio” on line 19 and line 23 are the same or different.

Claim 1 (line 13) recites the limitation “the” in “the retrieved image data”. There is insufficient antecedent basis for this limitation in the claim.

Claim 1 (line 24) recites the limitation “the” in “the mixing ratios”. There is insufficient antecedent basis for this limitation in the claim.

Claim 4 (line 2) recites limitation “**image data in a second format**,” and claim 4 (lines 10-11) recites limitation “**image data** of an odd filed and even field **in the second format**.” It is not known that limitation “image data” on line 2 and lines 10-11 are the same or different.

Claim 4 (line 20) recites limitation “**a predetermined mixing ratio**,” and claim 4 (line 24) recites limitation “**a predetermined mixing ratio**.” It is not known that limitation “predetermined mixing ratio” on line 20 and line 24 are the same or different.

Claim 4 (line 14) recites the limitation “the” in “the retrieved image data”. There is insufficient antecedent basis for this limitation in the claim.

Claim 4 (line 25) recites the limitation “the” in “the mixing ratios”. There is insufficient antecedent basis for this limitation in the claim.

Claim 7 (line 3) recites limitation “**image data in a second format**,” and claim 7 (lines 12-13) recites limitation “**image data of an odd filed and even field in the second format**.” It is not known that limitation “image data” on line 3 and lines 12-13 are the same or different.

Claim 7 (line 22) recites limitation “**a predetermined mixing ratio**,” and claim 7 (line 26) recites limitation “**a predetermined mixing ratio**.” It is not known that limitation “predetermined mixing ratio” on line 22 and line 26 are the same or different.

Claim 7 (line 29) recites the limitation “the image data,” it is not known that the antecedent basis for limitation “the image data” is limitation “image data odd the odd filed” recited on lines 19-20 or “image data of the even field” recited on line 23.

Claim 7 (line 16) recites the limitation “the” in “the retrieved image data”. There is insufficient antecedent basis for this limitation in the claim.

Claim 7 (line 27) recites the limitation “the” in “the mixing ratios”. There is insufficient antecedent basis for this limitation in the claim.

Claims 2-3 are rejected as being dependent on claim 1.

Claims 5-6 are rejected as being dependent on claim 4.

Claim 8 is rejected as being dependent on claim 7.

***Conclusion***

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to LUONG T. NGUYEN whose telephone number is (571)272-7315. The examiner can normally be reached on 7:30AM - 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, DAVID L. OMETZ can be reached on (571) 272-7593. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

LTN  
10/26/08

/LUONG T NGUYEN/  
Examiner, Art Unit 2622